

RECEIVED  
CENTRAL FAX CENTER

AUG 21 2006

REMARKS

Claims 2-3 have been canceled. Claim 1 has been amended. No new matter has been added. Claims 1, 4, 5, 6 and 9 remain in the application. Reconsideration and reexamination is respectfully requested.

Claim 1 has been amended to incorporate the limitation of original claim 2. In the paper mailed 4/19/2006, claim 2 was rejected under 35 U.S.C. § 103(a) as unpatentable over U.S. Patent Number 5,440,343 (Parulski *et al.*). Applicant traverses. Claim 1 specifies charges from more than one exposure interleaved in a charge shift register. Parulski *et al.* do not teach or suggest charges from more than one exposure interleaved in a charge shift register. Former claim 2, now claim 1, specifies transferring charges, from a contiguous block of the photosensors, through the particular section of the charge transfer gate, to a charge shift register. Parulski *et al.* do not teach or suggest transferring charges, from a contiguous block of the photosensors, through a particular section of a charge transfer gate, to a charge shift register. The examiner cites Parulski *et al.*, column 7, lines 37-46 for "outputting a block of contiguous charges". First, what is claimed is transfer from a contiguous block of photosensors, not "outputting a block of contiguous charges". Second, nowhere in Parulski *et al.* are charges transferred from a contiguous block of photosensors through a section of a charge transfer gate.

In the paper mailed 4/19/2006, claim 5 was rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent Number 5,345,319 (Yu). Applicant traverses. Claim 5 specifies interleaving charges from contiguous blocks from more than one array of photosensors on one charge shift register. In Yu, the structure identified by the single number "1" is two different charge shift registers. From column 1, lines 38-40 (upper and lower HCCD registers 1). Column 3, lines 34-35 refer to a pair of HCCD analog shift registers 10, but reference number 10 does not appear in the figures. In Yu, charges interleaved on any one shift register are not charges from contiguous blocks from more than one array of photosensors. Green is not a contiguous block. Blue and red are not interleaved.

In the paper mailed 4/19/2006, claim 9 was rejected under 35 U.S.C. § 102(e) as anticipated by U.S. Patent Number 6,707,498 (Toma *et al.*). Applicant traverses. Claim 9 specifies transferring charges from a block of photosensors in an array of photosensors

AUG 21 2006

directly to a charge shift register without any intervening charge shift registers. The examiner cites elements 105 and 505 as an "array". Elements 105 and 505 are elements of a charge shift register, not photosensors in an array of photosensors, and the vertical charge shift registers VR1-VR8 are intervening charge shift registers between the photosensors and the charge shift register 3 containing elements 105 and 505.

Entry of this amendment is respectfully requested. This application is considered to be in condition for allowance and such action is earnestly solicited.

Respectfully submitted,

by A. W. Winfield

Augustus W. Winfield

Reg. No. 34,046

August 21, 2006

Fort Collins, CO 80528-9599

(970)-898-3142